



California State Fire Marshal
National Fire Incident Reporting System

Data as of: 03/19/2007 10:32:51AM

FDID Range:

0 to No Upper Bound

Incident Date Range:

01/01/2005 to 12/31/2005

Heat Source:

0 to No Upper Bound

Cause of Ignition:

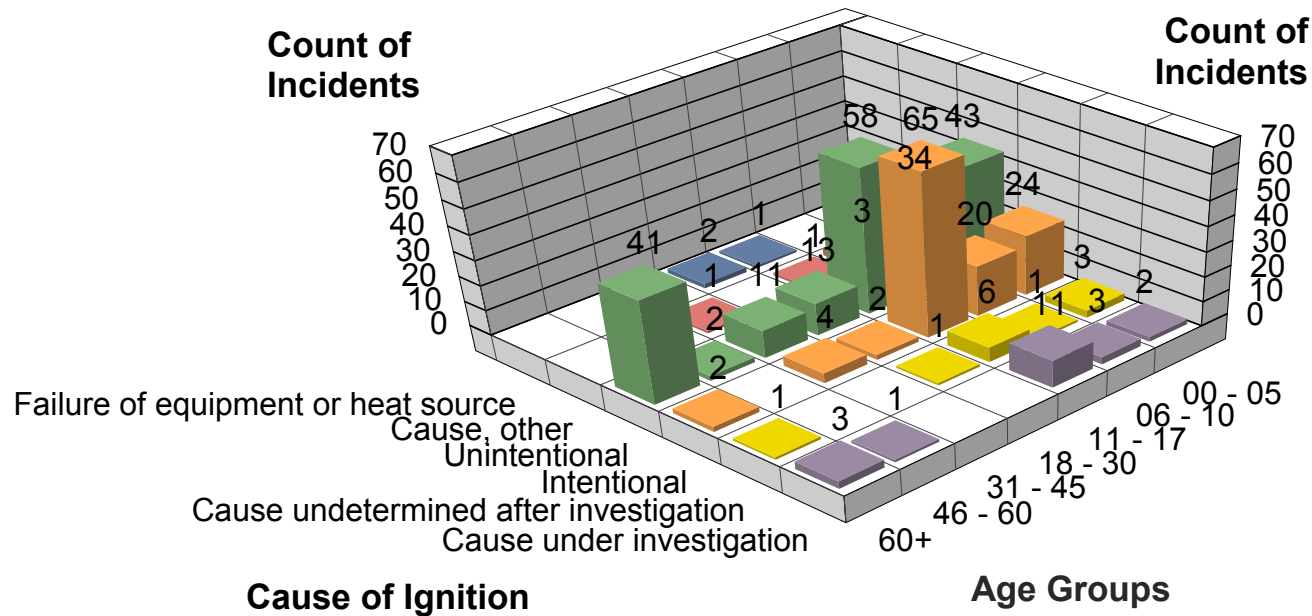
0 to No Upper Bound

Incident Type:

100 to 199

Fires By Age Groups Involved In Ignition, 2005

Count of Incidents / Cause Of Ignition & Age Groups





California State Fire Marshal
National Fire Incident Reporting System

Data as of: 03/19/2007 10:32:56AM

FDID Range:
0 to No Upper Bound

Incident Date Range:
01/01/2005 to 12/31/2005

Heat Source:
0 to No Upper Bound

Cause of Ignition:
0 to No Upper Bound

Incident Type:
100 to 199

Fires By Age Groups Involved In Ignition, 2005

<u>Age Group</u>	<u>Cause Of Ignition</u>	<u>Heat Source</u>	<u>Incident Count</u>	<u>Property Losses</u>	<u>Contents Losses</u>	<u>Fire Service Injuries</u>	<u>Fire Service Deaths</u>	<u>Civilian Injuries</u>	<u>Civilian Deaths</u>
00 - 05									
Intentional									
	Heat source: other		2	\$100,000	\$30,000	0	0	0	0
	Hot or smoldering object, other		1	\$0	\$0	0	0	0	0
	Fireworks		1	\$100,000	\$2,000	0	0	0	0
	Heat from other open flame or smoking materials		1	\$15,000	\$7,000	0	0	3	0
	Match		7	\$150,000	\$45,300	0	0	0	0
	Cigarette lighter		11	\$36,550	\$14,850	0	0	1	0
	Undetermined		1	\$300	\$0	0	0	0	0
	Intentional Subtotal		24	\$401,850	\$99,150	0	0	4	0
Unintentional									
	Heat source: other		2	\$101,000	\$50,000	0	0	0	0
	Spark, ember or flame from operating equipment		1	\$2,000	\$2,000	0	0	0	0
	Radiated, conducted heat from operating equipment		3	\$0	\$250	0	0	0	0
	Arcing		2	\$2,200	\$2,000	0	0	0	0
	Hot or smoldering object, other		3	\$150,100	\$45,100	0	0	0	0
	Hot ember or ash		1	\$50,000	\$10,000	0	0	0	0
	Fireworks		1	\$1,000	\$500	0	0	0	0
	Heat from other open flame or smoking materials		3	\$10,700	\$500	0	0	0	0
	Match		9	\$235,000	\$66,600	0	0	0	0

Fires By Age Groups Involved In Ignition, 2005

<u>Age Group</u>	<u>Cause Of Ignition</u>	<u>Heat Source</u>	<u>Incident Count</u>	<u>Property Losses</u>	<u>Contents Losses</u>	<u>Fire Service Injuries</u>	<u>Fire Service Deaths</u>	<u>Civilian Injuries</u>	<u>Civilian Deaths</u>
00 - 05									
		Cigarette lighter	13	\$696,000	\$198,500	0	0	1	0
		Candle	3	\$275,000	\$100,300	0	0	0	0
		Undetermined	2	\$4,100	\$1,250	0	0	0	0
	Unintentional	Subtotal	43	\$1,527,100	\$477,000	0	0	1	0
	Cause under investigation								
		Match	1	\$45,000	\$6,000	0	0	0	1
		Cigarette lighter	1	\$100	\$20	0	0	0	0
	Cause under investigation	Subtotal	2	\$45,100	\$6,020	0	0	0	1
	Cause undetermined after investigation								
		Heat from powered equipment, other	1	\$0	\$200	0	0	0	0
		Incendiary device	1	\$0	\$0	0	0	0	0
		Candle	1	\$1,000	\$100	0	0	0	0
	Cause undetermined after investigation	Subtotal	3	\$1,000	\$300	0	0	0	0
	Age Group	Total	72	\$1,975,050	\$582,470	0	0	5	1
06 - 10									
	Cause, other								
		Heat from other open flame or smoking materials	1	\$45,000	\$5,000	0	0	0	0
		Cigarette lighter	2	\$300,200	\$60,100	0	0	0	0
	Cause, other	Subtotal	3	\$345,200	\$65,100	0	0	0	0
	Intentional								
		Match	10	\$41,160	\$7,150	0	0	0	0
		Cigarette lighter	8	\$11,000	\$7,000	0	0	0	0
		Undetermined	2	\$125,000	\$62,500	0	0	0	0
	Intentional	Subtotal	20	\$177,160	\$76,650	0	0	0	0
	Unintentional								
		Heat source: other	1	\$10,000	\$8,000	0	0	0	0
		Heat from powered equipment, other	3	\$10,000	\$17,500	0	0	0	0
		Spark, ember or flame from operating equipment	1	\$0	\$0	0	0	0	0
		Arcing	1	\$30,000	\$10,000	0	0	0	0
		Hot or smoldering object, other	2	\$200	\$20	0	0	0	0
		Hot ember or ash	1	\$0	\$0	0	0	0	0

Fires By Age Groups Involved In Ignition, 2005

<u>Age Group</u>	<u>Cause Of Ignition</u>	<u>Heat Source</u>	<u>Incident Count</u>	<u>Property Losses</u>	<u>Contents Losses</u>	<u>Fire Service Injuries</u>	<u>Fire Service Deaths</u>	<u>Civilian Injuries</u>	<u>Civilian Deaths</u>
06 - 10									
		Explosive, fireworks, other	2	\$1,000	\$1,000	0	0	1	0
		Fireworks	6	\$75,600	\$50,000	0	0	0	0
		Match	8	\$3,900	\$1,400	0	0	0	0
		Cigarette lighter	1	\$150,000	\$25,000	0	0	0	0
		Candle	8	\$21,600	\$11,200	0	0	0	0
	Unintentional	Subtotal	34	\$302,300	\$124,120	0	0	1	0
	Cause under investigation								
		Undetermined	3	\$5	\$0	0	0	0	0
	Cause under investigation	Subtotal	3	\$5	\$0	0	0	0	0
	Cause undetermined after investigation								
		Match	1	\$0	\$0	0	0	0	0
	Cause undetermined after investigation	Subtotal	1	\$0	\$0	0	0	0	0
	Age Group	Total	61	\$824,665	\$265,870	0	0	1	0
11 - 17									
	Cause, other								
		Cigarette lighter	1	\$0	\$0	0	0	0	0
	Cause, other	Subtotal	1	\$0	\$0	0	0	0	0
	Intentional								
		Hot ember or ash	1	\$1,000	\$0	0	0	0	0
		Fireworks	1	\$300	\$0	0	0	0	0
		Heat from other open flame or smoking materials	3	\$0	\$5	0	0	0	0
		Heat from undetermined smoking material	2	\$0	\$0	0	0	0	0
		Match	25	\$2,011,510	\$12,611	1	0	2	0
		Cigarette lighter	19	\$5,200	\$50	0	0	0	0
		Undetermined	14	\$5,500	\$2,010	0	0	0	0
	Intentional	Subtotal	65	\$2,023,510	\$14,676	1	0	2	0
	Unintentional								
		Heat source: other	3	\$500	\$0	0	0	0	0
		Heat from powered equipment, other	6	\$128,500	\$26,100	0	0	0	0
		Spark, ember or flame from operating equipment	1	\$4,000	\$2,000	0	0	0	0
		Radiated, conducted heat from operating equipment	3	\$75,500	\$26,000	0	0	0	0

Fires By Age Groups Involved In Ignition, 2005

<u>Age Group</u>	<u>Cause Of Ignition</u>	<u>Heat Source</u>	<u>Incident Count</u>	<u>Property Losses</u>	<u>Contents Losses</u>	<u>Fire Service Injuries</u>	<u>Fire Service Deaths</u>	<u>Civilian Injuries</u>	<u>Civilian Deaths</u>
11 - 17									
	Arcing		1	\$0	\$0	0	0	0	0
	Hot or smoldering object, other		3	\$5,500	\$650	0	0	0	0
	Heat, spark from friction		1	\$0	\$0	0	0	0	0
	Hot ember or ash		6	\$37,000	\$3,500	0	0	1	0
	Explosive, fireworks, other		1	\$0	\$0	0	0	0	0
	Fireworks		12	\$500	\$140	0	0	0	0
	Heat from other open flame or smoking materials		2	\$3,200	\$500	0	0	0	0
	Cigarette		2	\$20,000	\$6,000	0	0	0	0
	Pipe or cigar		1	\$2,000	\$100	0	0	0	0
	Match		5	\$44,000	\$20,250	0	0	0	0
	Cigarette lighter		4	\$40,000	\$5,200	0	0	0	0
	Candle		5	\$385,000	\$121,250	0	0	4	0
	Chemical reaction		2	\$17,000	\$17,500	0	0	0	0
	Unintentional Subtotal		58	\$762,700	\$229,190	0	0	5	0
Failure of equipment or heat source									
	Radiated, conducted heat from operating equipment		1	\$2,500	\$300	0	0	0	0
	Failure of equipment or heat source Subtotal		1	\$2,500	\$300	0	0	0	0
Cause under investigation									
	Hot or smoldering object, other		1	\$500	\$0	0	0	0	0
	Fireworks		1	\$1,000	\$0	0	0	0	0
	Heat from other open flame or smoking materials		1	\$0	\$0	0	0	0	0
	Match		2	\$0	\$0	0	0	0	0
	Cigarette lighter		2	\$0	\$0	0	0	0	0
	Flame/torch used for lighting		1	\$0	\$0	0	0	0	0
	Undetermined		3	\$50,100	\$5,000	0	0	1	0
	Cause under investigation Subtotal		11	\$51,600	\$5,000	0	0	1	0
Cause undetermined after investigation									
	Heat from powered equipment, other		1	\$3,000	\$200	0	0	0	0
	Radiated, conducted heat from operating equipment		1	\$0	\$0	0	0	0	0
	Undetermined		4	\$20,050	\$0	0	0	0	2
	Cause undetermined after investigation Subtotal		6	\$23,050	\$200	0	0	0	2

Fires By Age Groups Involved In Ignition, 2005

<u>Age Group</u>	<u>Cause Of Ignition</u>	<u>Heat Source</u>		<u>Incident Count</u>	<u>Property Losses</u>	<u>Contents Losses</u>	<u>Fire Service Injuries</u>	<u>Fire Service Deaths</u>	<u>Civilian Injuries</u>	<u>Civilian Deaths</u>	
			Age Group	Total	142	\$2,863,360	\$249,366	1	0	8	2
18 - 30											
	Intentional										
		Incendiary device			1	\$100	\$100	0	0	0	0
		Match			1	\$4,500	\$100	0	0	0	0
	Intentional	Subtotal			2	\$4,600	\$200	0	0	0	0
	Unintentional										
		Heat from powered equipment, other			3	\$201,600	\$25,000	0	0	0	0
		Spark, ember or flame from operating equipment			1	\$300	\$500	0	0	0	0
		Radiated, conducted heat from operating equipment			2	\$27,500	\$3,010	0	0	0	0
		Hot or smoldering object, other			2	\$1,000	\$1,000	0	0	0	0
		Heat from other open flame or smoking materials			1	\$3,000	\$0	0	0	0	0
		Cigarette			1	\$1,000	\$500	0	0	0	0
		Cigarette lighter			1	\$100	\$500	0	0	0	0
		Candle			2	\$0	\$0	0	0	0	0
	Unintentional	Subtotal			13	\$234,500	\$30,510	0	0	0	0
	Failure of equipment or heat source										
		Spark, ember or flame from operating equipment			1	\$1,000	\$0	0	0	0	0
		Heat, spark from friction			1	\$2,000	\$0	0	0	0	0
	Failure of equipment or heat source	Subtotal			2	\$3,000	\$0	0	0	0	0
	Cause undetermined after investigation										
		Undetermined			1	\$0	\$0	0	0	0	0
	Cause undetermined after investigation	Subtotal			1	\$0	\$0	0	0	0	0
	Age Group	Total			18	\$242,100	\$30,710	0	0	0	0
31 - 45											
	Cause, other										
		Undetermined			1	\$0	\$0	0	0	0	0
	Cause, other	Subtotal			1	\$0	\$0	0	0	0	0
	Intentional										
		Hot or smoldering object, other			1	\$22,000	\$0	0	0	0	0
		Cigarette lighter			1	\$300	\$0	0	0	1	0
		Chemical reaction			1	\$15,000	\$5,000	0	0	0	0

Fires By Age Groups Involved In Ignition, 2005

<u>Age Group</u>	<u>Cause Of Ignition</u>	<u>Heat Source</u>	<u>Incident Count</u>	<u>Property Losses</u>	<u>Contents Losses</u>	<u>Fire Service Injuries</u>	<u>Fire Service Deaths</u>	<u>Civilian Injuries</u>	<u>Civilian Deaths</u>
31 - 45									
		Undetermined	1	\$4,000	\$0	0	0	0	0
	Intentional	Subtotal	4	\$41,300	\$5,000	0	0	1	0
	Unintentional								
		Spark, ember or flame from operating equipment	3	\$0	\$4,000	0	0	0	0
		Hot or smoldering object, other	1	\$6,000	\$0	0	0	0	0
		Hot ember or ash	2	\$0	\$100	0	0	0	0
		Heat from other open flame or smoking materials	1	\$0	\$0	0	0	0	0
		Cigarette	1	\$0	\$0	0	0	0	0
		Candle	1	\$1,000	\$1,000	0	0	0	0
		Flame/torch used for lighting	1	\$1,000	\$500	0	0	0	0
		Undetermined	1	\$1,000	\$1,000	0	0	0	0
	Unintentional	Subtotal	11	\$9,000	\$6,600	0	0	0	0
	Age Group	Total	16	\$50,300	\$11,600	0	0	1	0
46 - 60									
	Unintentional								
		Molten, hot material	1	\$0	\$1,000	0	0	0	0
		Hot ember or ash	1	\$3,500	\$0	0	0	0	0
	Unintentional	Subtotal	2	\$3,500	\$1,000	0	0	0	0
	Cause under investigation								
		Multiple heat sources including multiple ignitions	1	\$150,000	\$20,000	0	0	0	0
	Cause under investigation	Subtotal	1	\$150,000	\$20,000	0	0	0	0
	Age Group	Total	3	\$153,500	\$21,000	0	0	0	0
60+									
	Intentional								
		Multiple heat sources including multiple ignitions	1	\$0	\$0	0	0	0	0
		Undetermined	1	\$1	\$1	0	0	0	0
	Intentional	Subtotal	2	\$1	\$1	0	0	0	0
	Unintentional								
		Heat from powered equipment, other	3	\$100,000	\$50,000	0	0	0	0
		Spark, ember or flame from operating equipment	3	\$40,500	\$15,060	0	0	0	0
		Radiated, conducted heat from operating equipment	8	\$218,010	\$65,050	0	0	2	1

Fires By Age Groups Involved In Ignition, 2005

<u>Age Group</u>	<u>Cause Of Ignition</u>	<u>Heat Source</u>	<u>Incident Count</u>	<u>Property Losses</u>	<u>Contents Losses</u>	<u>Fire Service Injuries</u>	<u>Fire Service Deaths</u>	<u>Civilian Injuries</u>	<u>Civilian Deaths</u>
60+									
	Arcing		1	\$75,000	\$25,000	0	0	0	0
	Hot or smoldering object, other		4	\$137,000	\$27,300	0	0	0	0
	Heat, spark from friction		1	\$4,000	\$0	0	0	1	0
	Molten, hot material		2	\$1,200	\$320	0	0	0	0
	Hot ember or ash		2	\$0	\$50	0	0	0	0
	Heat from other open flame or smoking materials		1	\$1,000	\$500	0	0	0	0
	Cigarette		9	\$202,600	\$53,700	1	0	1	1
	Pipe or cigar		1	\$0	\$500	0	0	0	0
	Heat from undetermined smoking material		1	\$20,000	\$5,000	0	0	0	1
	Cigarette lighter		1	\$500	\$25	0	0	0	0
	Candle		1	\$10,000	\$5,000	0	0	0	0
	Lightning		1	\$0	\$6	0	0	0	0
	Undetermined		2	\$50,000	\$20,000	0	0	1	0
	Unintentional Subtotal		41	\$859,810	\$267,511	1	0	5	3
Cause under investigation									
	Heat from undetermined smoking material		1	\$500	\$0	0	0	0	0
	Undetermined		2	\$100,000	\$40,000	0	0	4	0
	Cause under investigation Subtotal		3	\$100,500	\$40,000	0	0	4	0
Cause undetermined after investigation									
	Undetermined		1	\$25,000	\$5,000	0	0	0	0
	Cause undetermined after investigation Subtotal		1	\$25,000	\$5,000	0	0	0	0
	Age Group Total		47	\$985,311	\$312,512	1	0	9	3
	Grand Total		359	\$7,094,286	\$1,473,528	2	0	24	6

The data contained in this report comes from the State Fire Marshal's California All Incident Reporting System (CAIRS) data warehouse. Property and contents loss figures, if included herein, are estimates only. These emergency incident statistics, including injury and death counts, are based only upon information submitted to the State Fire Marshal by participating California fire departments. Please note that apparent variations in incident counts and associated losses shown in this report may be solely due to fluctuations in the amount of data submitted to the State Fire Marshal. And while the incoming data is validated according to logical data rules, individual data elements are not always verified for accuracy.

Fires By Age Groups Involved In Ignition, 2005

Parameters:

Cause of Ignition:	0 to No Upper Bound
FDID Range:	0 to No Upper Bound
Heat Source:	0 to No Upper Bound
Incident Date Range:	01/01/2005 to 12/31/2005
Incident Type:	100 to 199

Selection Criteria :

```
if {@gender} <> '0' then
{IN_FIRE.FR_SEXOFPERSON}={@Gender} and
{IN_FIRE.FR_AGEOFPERSON}>0 and
{INCIDENTKEY.FDID}= {?FDIDrange} and
{INCIDENTKEY.IN_STATUS}='V' and
{INCIDENTKEY.IN_DATE}={?IncidentDateRange} and
{IN_BASIC.IN_TYPE}={?IncidentType} and
{IN_FIRE.FR_CAUSEOFIGNITION}={?CauseOfIgnition} and
{IN_FIRE.FR_HEATSOURCE}={?HeatSource} and
{IN_FIRE.FR_HEATSOURCE}<>' ' and
{IN_BASIC.IN_TYPE}<> ' ' and
{IN_FIRE.FR_CAUSEOFIGNITION}<> ' ' else
```

```
{INCIDENTKEY.FDID}= {?FDIDrange} and
{INCIDENTKEY.IN_STATUS}='V' and
{IN_FIRE.FR_AGEOFPERSON}>0 and
{INCIDENTKEY.IN_DATE}={?IncidentDateRange} and
{IN_BASIC.IN_TYPE}={?IncidentType} and
{IN_FIRE.FR_CAUSEOFIGNITION}={?CauseOfIgnition} and
{IN_FIRE.FR_HEATSOURCE}={?HeatSource} and
{IN_FIRE.FR_HEATSOURCE}<>' ' and
{IN_FIRE.FR_CAUSEOFIGNITION}<> ' ' and
{IN_BASIC.IN_TYPE}<> ' '
```